

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Goulmy et al.

Serial No.: Not yet assigned

Filed: July 18, 2003

For: HA-1 EPITOPES AND USES
THEREOF

Confirmation No.: Not yet assigned

Examiner: Unknown

Group Art Unit: Unknown

Attorney Docket No.: 2183-6047US

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: EV 348041943 US

Date of Deposit with USPS: July 18, 2003

Person making Deposit: Matthew Wooton

INFORMATION DISCLOSURE STATEMENT

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08A be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in

37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
WO 97/04798 A1	12/13/1997	University of Virginia Patent Foundation
WO 97/05168 A1	02/13/1997	Rijksuniversiteit te Leiden
WO 97/05169 A1	02/13/1997	Rijksuniversiteit te Leiden; The University of Virginia Patent Foundation
WO 99/05173 A1	02/04/1999	Rijksuniversiteit te Leiden
WO 99/05174 A1	02/04/1999	Rijksuniversiteit te Leiden
WO 99/05313 A2	02/04/1999	Rijksuniversiteit Leiden
WO 01/94940 A1	12/13/2001	Stichting Sanguin Bloedvoorziening
WO 03/47606 A2	06/12/2003	Academisch Ziekenhuis Leiden

Other Documents

International Search Report, International Application No. PCT/NL98/00424, dated November 30, 1998 (2 pages).

PCT International Preliminary Examination Report, International Application No. PCT/NL98/00424, dated November 25, 1999 (8 pages).

Other Documents

- ABBAS et al., "Cellular and Molecular Immunology," 1991, Antigen Presentation and T cell Recognition, p. 130.
- ANDERTON et al., Immunology 104:367-76, 2001.
- COLMAN et al., "Effects of amino acid sequence changes on antibody-antigen interaction," 1994, A structural view of immune recognition by antibodies, pp. 33-36.
- DEN HAAN et al., "Conservation of Minor Histocompatibility Antigens Between Human and Non-human primates," Eur. J. Immunol., 1996, pp. 2680-85, Vol. 26.
- DEN HAAN et al., "Identification of a Graft Versus Host Disease-Associated Human Minor Histocompatibility Antigen," Science, June 9, 1995, pp. 1476-80. Vol. 268.
- DEN HAAN et al., "The Minor Histocompatibility Antigen HA-1: A Diallelic Gene with a Single Amino Acid Polymorphism," Science, February 13, 1998, pp. 1054-57, Vol. 279.
- GOULMY et al., "The Role of Human Minor Histocompatibility Antigens in Graft Failure: a Mini-review," Eye, 1995, pp. 180-84, Vol. 9, Royal College of Ophthalmologists.
- HAAN et al., Eur. J. Immunol. 26:2680-2685, 1996.
- NAGASE et al., DNA Res 3:321-329 (1996).
- NGO et al., The Protein Folding Problem and Tertiary Structure Prediction, pp. 492-495, 1994.
- PAUL et al., "Fundamental Immunology," 2d edition Raven Press, 1989, pp. 987-988.
- PEAKMAN et al., Immunology 104:361-366, 2001.
- STRYER et al., In Biochemistry, W.H. Freeman and Company, New York, pp. 31-33, 1988.
- TISCH et al., Proc. Nat'l Acad. Sci. USA 91:437-438, 1994.
- VAN DER HARST et al., "Recognition of Minor Histocompatibility Antigens on Lymphocytic and Myeloid Leukemic Cells by Cytotoxic T-Cell Clones," 1994, pp. 1060-66, The American Society of Hematology.

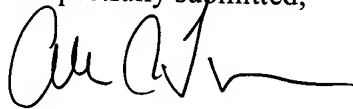
Attorney Docket No. 2183-6047US

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56 & 1.175, Applicants offer hereby identifies the following listed copending applications naming the same inventor(s):

Attorney Docket No. 2183-4285US
Serial No.: 09/489,760
Filing Date: January 21, /2000
Title: THE HA-1 ANTIGEN

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,



Allen C. Turner
Registration No. 33,041
Attorney for Applicants
TRASKBRITT, P.C.
P.O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: July 18, 2003
ACT/jml

Enclosures: Form PTO/SB/08A
Cited Documents

Document in ProLaw

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	Not yet assigned
Filing Date	July 18, 2003
First Named Inventor	Goulmy et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	2183-6047US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 97/04798 A1	12/13/1997	University of Virginia Patent Foundation		
		WO 97/05168 A1	02/13/1997	Rijksuniversiteit te Leiden		
		WO 97/05169 A1	02/13/1997	Rijksuniversiteit te Leiden; The University of Virginia Patent Foundation		
		WO 99/05173 A1	02/04/1999	Rijksuniversiteit te Leiden		
		WO 99/05174 A1	02/04/1999	Rijksuniversiteit te Leiden		
		WO 99/05313 A2	02/04/1999	Rijksuniversiteit Leiden		
		WO 01/94940 A1	12/13/2001	Stichting Sanquin Bloedvoorziening		
		WO 03/47606 A2	06/12/2003	Academisch Ziekenhuis Leiden		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known

Application Number	Not yet assigned
Filing Date	July 18, 2003
First Named Inventor	Goulmy et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	2183-60471US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		International Search Report, International Application No. PCT/NL98/00424, dated November 30, 1998 (2 pages).	
		PCT International Preliminary Examination Report, International Application No. PCT/NL98/00424, dated November 25, 1999 (8 pages).	
		ABBAS et al., "Cellular and Molecular Immunology," 1991, Antigen Presentation and T cell Recognition, p. 130.	
		ANDERTON et al., Immunology 104:367-76, 2001.	
		COLMAN et al., "Effects of amino acid sequence changes on antibody-antigen interaction," 1994, A structural view of immune recognition by antibodies, pp. 33-36.	
		DEN HAAN et al., "Identification of a Graft Versus Host Disease-Associated Human Minor Histocompatibility Antigen," Science, June 9, 1995, pp. 1476-80. Vol. 268.	
		DEN HAAN et al., "The Minor Histocompatibility Antigen HA-1: A Diallelic Gene with a Single Amino Acid Polymorphism," Science, February 13, 1998, pp. 1054-57, Vol. 279.	
		DEN HAAN et al., "Conservation of Minor Histocompatibility Antigens Between Human and Non-human primates," Eur. J. Immunol., 1996, pp. 2680-85, Vol. 26.	
		GOULMY et al., "The Role of Human Minor Histocompatibility Antigens in Graft Failure: a Mini-review," Eye, 1995, pp. 180-84, Vol. 9, Royal College of Ophthalmologists.	
		HAAN et al., Eur. J. Immunol. 26:2680-2685, 1996.	
		NAGASE et al., DNA Res 3:321-329 (1996).	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	Not yet assigned
		Filing Date	July 18, 2003
		First Named Inventor	Goulmy et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet 3 of 3	Attorney Docket Number	2183-6047US	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NGO et al., The Protein Folding Problem and Tertiary Structure Prediction, pp. 492-495, 1994.	
		PAUL et al., "Fundamental Immunology," 2d edition Raven Press, 1989, pp. 987-988.	
		PEAKMAN et al., Immunology 104:361-366, 2001.	
		STRYER et al., In Biochemistry, W.H. Freeman and Company, New York, pp. 31-33, 1988.	
		TISCH et al., Proc. Nat'l Acad. Sci. USA 91:437-438, 1994.	
		VAN DER HARST et al., "Recognition of Minor Histocompatibility Antigens on Lymphocytic and Myeloid Leukemic Cells by Cytotoxic T-Cell Clones," 1994, pp. 1060-66, The American Society of Hematology.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.